

AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Previously Presented) A method for configuring a network interface device from an information device communicating with the network interface device via a network, the network interface device adaptable to connect a programmable logic controller to a network, said method comprising:

automatically enforcing, via a wizard at the information device, user compliance with a plurality of predetermined steps for a computer-assisted configuration of the network interface device, wherein the computer-assisted configuration is an OSI transport layer or above;

providing at least one setting to the network interface device from the information device via the network;

receiving a setting of a logical position of the network interface device relative to the programmable logic controller; and

operating a programmable logic controller on a network via the configured OSI transport layer or above.

2. (Previously Presented) The method of claim 1, further comprising:

requesting from a user at the information device, for the at least one setting for the network interface device.

3. (Previously Presented) The method of claim 1, further comprising:

receiving the at least one setting for the network interface device from a user at the information device.

4. (Canceled)
5. (Original) The method of claim 1, further comprising:
receiving a count of network connections for the network interface device.
6. (Original) The method of claim 1, further comprising:
receiving a type for at least one network connection to the network interface device.
7. (Original) The method of claim 1, further comprising:
determining the at least one setting for the network interface device.
8. (Original) The method of claim 1, further comprising:
configuring the network interface device with the at least one setting.
9. (Canceled)
10. (Original) The method of claim 1, further comprising:
receiving a Q-address used by an input/output module attached to the programmable logic controller, the input/output module further couplable to the network interface device.
11. (Original) The method of claim 1, further comprising:
verifying the at least one setting for the network interface device.

12. (Original) The method of claim 1, wherein the network interface device is adaptable to communicatively couple the programmable logic controller to an ethernet network.

13. (Original) The method of claim 1, wherein the network interface device is adaptable to communicatively couple the programmable logic controller to the Internet.

14. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to receive at least one e-mail client configuration setting.

15. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to receive at least one FTP client configuration setting.

16. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to receive at least one FTP server configuration setting.

17. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to receive at least one HTTP server configuration setting.

18. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to receive at least one FTP server login services setting.

19. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to receive at least one secure HTTP server login services setting.

20. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to validate an FTP server address.

21. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to receive at least one SMTP client configuration setting.

22. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to configure an e-mail message to at least one user.

23. (Original) The method of claim 1, wherein said plurality of predetermined steps are adaptable to validate an e-mail server address.

24. (Original) The method of claim 1, wherein said network interface device is adaptable to communicate process data from the programmable logic controller to a network.

25. (Canceled)

26. (Original) The method of claim 1, wherein said plurality of predetermined steps comprises a help utility.

27. (Previously Presented) An apparatus for providing a wizard adaptable to configure a network interface device couplable to a programmable logic controller, said apparatus comprising:

an input processor adapted to sequentially prompt a user for at least one setting for configuring an OSI transport layer or above of the network interface device; and

an output processor adapted to provide the at least one setting from the wizard to the network interface device via a network,

wherein the at least one setting is a logical position of the network interface device relative to the programmable logic controller; and

wherein the programmable logic controller operates on the network via the configured OSI transport layer or above.

28. (Currently Amended) A system comprising:

- a network interface device adaptable to communicatively couple a programmable logic controller to a network;

- an information device adaptable to communicate with the network interface device via a network, said information device providing a wizard comprising a plurality of predetermined steps adapted to configure an OSI transport layer or above of said network interface device;

- a setting associated with the network interface device, wherein the setting is a logical position of the network interface device relative to the programmable logic controller; and

- wherein the programmable logic controller operates on the network via the configured OSI transport layer or above;

29. (Previously Presented) A machine-readable medium storing instructions for activities comprising:

- providing, at an information device in communication with a network interface device via a network, a plurality of predetermined steps adapted to sequentially prompt a user for at least one setting for configuring an OSI transport layer or above of the network interface device, wherein the at least one setting is a logical position of the network interface device relative to a programmable logic controller;

- providing a plurality of predetermined steps to provide the at least one setting from the wizard at the information device to the network interface device via the network; and

- operating the programmable logic controller on the network via the configured OSI transport layer or above.